

10172952 DUNN CREEK NEAR PARK VALLEY, UT

LOCATION.--Lat 41°51'31", long 113°19'35", in NW¹/₄NW¹/₄NW¹/₄ sec. 15, T. 13 N., R. 13 W., Box Elder County, Hydrologic Unit 16020308, on right bank 150 ft upstream from diversion structure, 200 ft downstream from confluence of left hand and right hand forks, and 2.9 mi north of Park Valley.

DRAINAGE AREA.--8.72 mi².

PERIOD OF RECORD.--May 1971 to September 1973, October 1976 to current year.

REVISED RECORDS.--WDR UT-99-1: 1998, daily values.

GAGE.--Water-stage recorder. Elevation of gage is 6,250 ft above sea level, from topographic map. Prior to August 26, 1982 at site 110 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion for flood-flows, located approximately 300 ft upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 150 ft³/s, May 28, 1983; minimum discharge, 0.14 ft³/s, Mar 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23 ft³/s, May 16, gage height, 2.06 ft; minimum daily discharge, 0.53 ft³/s, Aug 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.4	1.1	1.0	e.94	e.99	2.0	11	11	3.8	e.66	.88
2	1.1	1.3	1.1	1.0	e.96	.99	2.1	8.8	10	3.6	e.54	.73
3	1.1	1.3	1.1	1.0	e.98	.96	2.1	8.6	9.5	3.4	e.54	.71
4	1.1	1.2	1.1	1.0	1.0	.94	2.1	8.2	8.9	3.3	e.54	.69
5	1.1	1.2	1.1	1.0	1.0	1.0	2.1	7.9	8.0	3.2	e.55	.69
6	1.2	1.1	1.1	1.1	1.0	1.4	2.0	7.6	7.1	3.3	e.54	.72
7	1.2	1.2	1.1	1.1	.97	1.7	2.1	7.8	6.5	3.3	e.55	.73
8	1.2	1.2	1.1	1.1	.95	1.8	1.8	8.6	6.1	3.6	e.54	.76
9	1.2	1.2	1.1	1.1	1.0	1.8	2.1	9.4	5.3	3.6	e.53	.76
10	1.6	1.2	.96	1.1	1.0	1.6	2.4	10	5.2	3.6	e.54	.74
11	1.6	1.2	1.1	1.1	1.0	1.4	2.1	11	5.2	3.5	e.88	.70
12	1.5	1.2	1.2	1.1	1.0	1.4	2.2	14	5.7	2.8	e.59	.71
13	1.5	1.2	1.1	1.1	1.0	1.5	2.1	16	6.1	2.5	e.59	1.1
14	1.4	1.2	e1.1	1.1	1.0	1.4	2.2	17	5.9	2.5	e.58	.87
15	1.4	1.2	e1.0	e1.0	1.0	1.6	2.5	19	5.6	2.4	e.58	.84
16	1.4	1.2	e.86	e.94	1.0	1.3	2.6	21	5.3	2.2	e.57	.80
17	1.3	1.1	.85	e.88	1.0	1.7	2.6	21	5.2	2.1	e.56	1.1
18	1.2	1.1	.80	.87	.92	1.4	2.6	19	5.0	2.0	e.57	.94
19	1.2	1.1	.83	.87	.94	1.8	2.6	17	4.9	1.8	e.57	.77
20	1.1	1.1	.93	.89	.94	2.2	2.9	16	4.7	1.6	e.58	.70
21	1.2	1.2	1.1	.97	.98	3.1	2.9	16	4.6	1.5	e.58	.68
22	1.1	1.1	1.1	1.0	.96	3.5	2.8	15	4.5	1.5	e.59	.66
23	1.2	1.0	1.1	1.0	.94	3.3	2.9	15	4.6	1.4	e.57	.66
24	1.3	1.0	1.1	1.0	.98	3.1	2.9	15	4.6	1.2	.73	.66
25	1.3	1.1	1.1	1.0	.96	3.1	3.0	15	4.7	1.1	.70	.64
26	1.2	1.1	1.1	1.0	.99	2.8	3.3	15	4.6	1.0	.68	.66
27	1.6	1.1	1.0	1.0	.99	2.3	5.0	14	4.3	e.98	.68	.66
28	1.3	1.1	1.0	e.96	e.98	2.5	6.9	14	4.1	e.80	.66	.66
29	1.4	1.1	1.0	1.0	---	2.4	8.1	14	4.0	e.72	.66	.66
30	2.2	1.1	1.0	e.96	---	2.2	8.9	13	3.9	e.66	.67	.66
31	1.6	---	1.0	e.94	---	2.1	---	12	---	e.66	1.1	---
TOTAL	40.8	34.8	32.23	31.18	27.38	59.28	91.9	416.9	175.1	69.62	19.22	22.54
MEAN	1.32	1.16	1.04	1.01	.98	1.91	3.06	13.4	5.84	2.25	.62	.75
MAX	2.2	1.4	1.2	1.1	1.0	3.5	8.9	21	11	3.8	1.1	1.1
MIN	1.0	1.0	.80	.87	.92	.94	1.8	7.6	3.9	.66	.53	.64
AC-FT	81	69	64	62	54	118	182	827	347	138	38	45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

MEAN	1.89	1.60	1.33	1.27	1.38	2.48	5.35	18.7	19.4	7.16	3.33	2.12
MAX	3.64	2.45	2.09	2.04	2.82	6.33	16.4	38.1	57.3	17.9	8.45	4.58
(WY)	1985	1983	1983	1980	1986	1986	1986	1997	1983	1983	1984	1984
MIN	.77	.75	.64	.59	.62	.85	1.15	3.40	3.13	1.25	.62	.61
(WY)	1993	1995	1995	1995	1995	1977	1991	1977	1992	1994	2001	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1972 - 2001
ANNUAL TOTAL	1455.24	1020.95	
ANNUAL MEAN	3.98	2.80	5.51
HIGHEST ANNUAL MEAN			12.0 1983
LOWEST ANNUAL MEAN			2.00 1994
HIGHEST DAILY MEAN	40 May 24	21 May 16	150 May 28 1983
LOWEST DAILY MEAN	.80 Dec 18	.53 Aug 9	.32 Feb 15 1995
ANNUAL SEVEN-DAY MINIMUM	.91 Dec 14	.54 Aug 3	.42 Jan 19 1995
ANNUAL RUNOFF (AC-FT)	2890	2030	3990
10 PERCENT EXCEEDS	10	7.8	13
50 PERCENT EXCEEDS	1.5	1.1	2.0
90 PERCENT EXCEEDS	1.1	.68	.97

e Estimated